

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

2 DECEMBER 1976

THE UNIVERSITY PROFESSORSHIP

The idea of "distinguished professorships" and "chairs" as recognition of outstanding merit in particular faculty members must be as old as the universities themselves. At this University there are three positions of this nature.

The Killam Professorship, a position endowed by the Killam Foundation, is perhaps the best known. There are two Killam Professors at the University now, President Harry Gunning, Killam Professor of Chemistry, and Hiroomi Umezawa, Killam Professor of Physics.

The second kind of special professorship is the Henry Marshall Tory Professorship or Chair. This distinction is virtually unknown on campus because no Tory Chair has ever been created, though the principle was endorsed in October 1968. According to the official description of the position, "appointments to Henry Marshall Tory Chairs are to be reserved for outstanding individuals who by their presence will enhance the reputation of the university and who can provide leadership and experience for the strengthening of teaching and research in specific disciplines at the University."

The third of the special professorships is the University Professorship, which differs from other "distinguished professorships" in that the eminence of appointees to this position extends well beyond a single discipline and frequently beyond a single faculty. University Professorships originated in 1967 both to assist in "recruitment of outstanding scholars to the staff" and to be applied to individuals of particular merit who were already on staff and whose work and responsibilities were interdisciplinary in nature.

Since then, seven outstanding scholars and scientists have been appointed as University Professors. The Academic Development Committee considers nominations to this distinction, which may be introduced by any member or group of academic staff, and when appropriate recommends the appointment to the President for his consideration.

The first two University Professors were Ludwig von Bertalanffy and James Barrington, both appointed in 1968. Leslie Green was appointed to this distinction in 1969 and, five years later, Max Wyman became a University Professor. Henry Kreisel and George Walker



James Barrington



Leslie C. Green



Max Wyman



Henry Kreisel



George B. Walker



Fenton MacHardy

were appointed University Professors in 1975, and Fenton MacHardy was appointed this year.

Max Wyman, the fourth person to be designated as University Professor and, by coincidence, the author of the original terms of reference for this category of appointment in 1967-68, commented that "the University Professorship is really a kind of freedom which enables a senior person with broad interests and experience in several different disciplines to wander around the University and serve wherever he feels he can be useful." "It's a very special freedom," Dr. Wyman added, "and it has got to be earned."

The following men are the seven eminent academics who have earned this special freedom.

LUDWIG VON BERTALANFFY

The first person appointed University Professor was Ludwig von Bertalanffy, a noted theoretical biologist.

Before joining the Departments of Psychology and Biology at the University in 1961, Professor von Bertalanffy had served as Professor and Director of the Biological Research Department at the University of Ottawa from 1949 to 1955, as Director of Biological Research at Mount Sinai Hospital in Los Angeles and Visiting Professor of Physiology at the University of Southern California from 1955 to 1958, and for two years as Sloan Visiting Professor at the Menninger Foundation in Topeka, Kansas.

Professor von Bertalanffy was born in

Atzgersdorf, Austria, and received his PhD at the age of twenty-four in biology and philosophy from the University of Vienna. He continued his studies and writing under various fellowships for eight years and was named Docent to Professor in the Department of Philosophy and the Medical Faculty of the University of Vienna in 1934.

At this University he was appointed Professor of Theoretical Biology in 1962 and University Professor in 1968. He was instrumental in establishing the University's Centre for Advanced Study in Theoretical Psychology. In 1969 he moved to Buffalo, New York, where he was Distinguished Professor at the Centre for Theoretical Biology at the State University of New York, a position he held until his death in 1972.

Professor von Bertalanffy made significant contributions to biology in his studies on growth, metabolism, and cancer diagnosis, but he is best remembered for his theoretical contributions to biology and the social sciences. He advanced the idea that life is an "open system" in a thermodynamic sense and extended this idea to introduce the "general systems theory" with applications in psychology, cybernetics, sociology, and education.

In a brief appreciation written at the time of von Bertalanffy's death, D.M. Ross, then Dean of Science, wrote, "The range of von Bertalanffy's knowledge and interests was universal and, in an age when most scientists are exceptionally narrow specialists, a talent like von Bertalanffy's for generalization is almost extinct."

JAMES BARRINGTON

James Barrington was appointed Visiting Professor at this University in 1966. The following year he gave the Henry Marshall Tory Lecture; "South East Asia: whence and whither" gave the University a concise look at a geographical region of long history and contemporary concern by a man both native to the area and a modest maker of a portion of its history. Professor Barrington was born in Burma and spent his childhood near Mandalay. He was educated at Rangoon University, where he took an honors BSc in Chemistry. He attended Oxford for two years and, in 1936, joined the Indian Civil Service in his country. Here he served in administrative capacities until

1948 when Burma regained its independence; then until 1950, he was Permanent Secretary to the Burmese government. That year he was appointed Ambassador to the United States and, a year later, concurrently made Permanent Representative of Burma to the United Nations.

As a historian, Professor Barrington will perhaps agree that history repeats itself—in any case, he was reappointed Permanent Secretary of the Burmese Foreign Office in 1956, but in 1962 he was transferred back to the United Nations as Permanent Representative again (replacing his friend U Thant who became Secretary General). In 1963 he received an additional ambassadorship to Canada, a post held until 1965 when he retired from service to the Burmese government.

Professor Barrington represented his country at many international conferences including two conferences of non-aligned nations, in Belgrade in 1961 and in Cairo in 1964, and he served on two disarmament committees, the Eighteen Nation Committee in Geneva from 1962 to 1964 and the Disarmament Commission in New York in 1965.

With his visiting professorship, Professor Barrington began his academic career; he says, though, that he wishes that it had come first. "The student is a great educator . . . with a knack of throwing at you things that you hadn't thought of before." His own teaching includes courses on international relations since 1939, South East Asian history, and a survey of Asian history for the Department of History; he has also taught a political science course on international organizations, the League of Nations and the United Nations—all of which he feels have taught *him* a good deal. In recent years he was also a member of the executive of the United Nations Association and is the past chairman of the Edmonton branch of the Canadian Institute of International Affairs.

Next spring Professor Barrington will retire from his third career to take up a fourth one, more leisurely, perhaps, and more solitary. He has completed one book, not yet published, a history of the boundary negotiations between China and Burma. He himself took part in the negotiations, as did Premier Chou En-Lai for China. A second book is planned in which he will examine the influence of Burmese history on its foreign policy since the Second World War. "I have a suspicion," he says, "that there are factors involved that go back to the first Burmese empire in the eleventh century." The ability to hold in one's mind and to judge the implications of such "suspicions" is surely a mark of the historian *accompli*.

LESLIE C. GREEN

Leslie Green was Professor of Political

Science here from 1965 until his appointment as University Professor of International Law and Organization in 1969. Prior to his appointment at this University he was Professor of International Law at the University of Singapore from 1960 to 1965, where he also served as Director of the Institute of Advanced Legal Studies (1962 to 1965) and Dean of the Faculty of Law (1964-65). From 1946 until 1960 he was a Lecturer in International Law and Relations at University College, London. He obtained his LLB from the University of London in 1941 and his LLD from the same university in 1976.

At this University he teaches courses in the Faculties of Arts and Law: International Law (Political Science), Theory and Philosophy of Law (Political Science), Principles of International Humanitarian Law (Law and Political Science), and Current Problems in International Law (Law). In addition to full courses, he lectures in Sociology (Social Structure of the Law, Zionism as a Social Phenomenon), Anthropology (Anthropology of Law), Philosophy (Legal Philosophy), Community Development (Law and the Community), and Medicine (Drugs and the Law).

Dr. Green has served as a Visiting Professor at a great many universities around the world and, in addition to teaching international law, actively serves its cause. During the past few years, among other activities, he has been a member of the International Committee on Terrorism, chairman of the Canadian Committee on Terrorism, adviser to and member of the Canadian Delegation to the Geneva Conference on Humanitarian Law and Armed Conflict, academic in residence at the Bureau of Legal Affairs in the Canadian Department of External Affairs, member of the Council of the Canadian Human Rights Foundation, and adviser to the Israeli delegation to the United Nations. He has been a regular participant and speaker at conferences on topics in international law and humanitarian law throughout the world.

Dr. Green is author of two books, *International Law through Cases* (first edition 1951, second edition 1959, third edition 1970) and *Law and Society* (1975); and he is editor of Chen's *International Law of Recognition* (1951) and of conference reports of the International Law Association from 1952 to 1960 and from 1966 to 1970. His articles number more than 160 in journals, encyclopaediae, yearbooks, and anthologies published in Canada, the United States, Britain, France, India, Yugoslavia, Panama, Malaya, the Philippines, the Netherlands, Turkey, and elsewhere.

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MAX WYMAN

Max Wyman had already established his reputation as a mathematician, a teacher, and an administrator when he became President of the University in 1969. After his five-year term as President, he became chairman of the Alberta Human Rights Commission; he was already a member of the Kirby Commission of inquiry into Alberta's lower courts. In recognition of his wide interests in law, philosophy, civil rights, and education as well as mathematics, he was appointed University Professor.

Dr. Wyman was born in Lethbridge in 1916 and attended the University of Alberta from 1932 to 1937, graduating with first class honors. He proceeded to the California Institute of Technology where he obtained his PhD *magna cum laude* in 1940, only three years after his bachelor's degree. He joined the staff at the University of Alberta in 1943, became a full Professor in 1956, Head of the Department of Mathematics in 1961, Dean of Science in 1963, Vice-President (Academic) in 1964, and in 1969 President of the University.

Dr. Wyman has been active in mathematical research since he first joined the department in 1943. His work has dealt with Einstein's field equations in general relativity, asymptotic series and special functions, and differential equations and field theory. In 1951 he was elected a Fellow of the Royal Society of Canada; at that time he was the youngest person to receive that honor. He served variously as editor of the *Canadian Journal of Mathematics*, as an executive officer and finally president of the Canadian Mathematical Congress, and as a member of the National Research Council.

Of his two most recent scientific papers dealing with applications of mathematics to the theory of relativity, he says, "I returned to two problems I couldn't solve twenty years ago. One of them I solved." Dr. Wyman continues to teach two undergraduate courses in mathematics.

As a result of his membership on the Kirby Commission, which studied the administration of justice in the lower courts of Alberta, he wrote supplementary comments to the Commission's report. Last year he delivered a series of ten lectures on the philosophy of law ("or, more appropriately," he says, "my philosophy of law") to law students.

His work as Chairman of the Alberta Human Rights Commission leads naturally to a variety of lectures to a variety of groups and to a course on civil rights that he taught last year in Political Science. He has also lectured in Educational Administration on his observations about his years as University

President, "on things that did and didn't work."

What Dr. Wyman claims to enjoy most about the University Professorship is his new freedom to "take time to think." "As President," he says, "I never had enough time to give adequate thought to matters. Now I can indulge myself in being a perfectionist."

HENRY KREISEL

After nine years as an administrator, Henry Kreisel has returned to two great loves, teaching and writing. He was appointed University Professor in 1975, after a five-year term as Vice-President (Academic), and is teaching courses in comparative literature and drama.

Dr. Kreisel was born in Vienna in 1922. He escaped Austria in 1938 and came to Canada in 1940. He obtained his BA in 1946, his MA in 1947, both from the University of Toronto, and his PhD in 1954 from the University of London. He joined the English Department at the University of Alberta in 1947 and served as Head of the Department from 1961 to 1967. He was senior Associate Dean of Graduate Studies from 1967 to 1969 and Acting Dean of Graduate Studies during 1969-70. He was the University's Vice-President (Academic) from 1970 until 1975.

Dr. Kreisel has served on a variety of committees and councils, including the Canada Council, the Executive of the Humanities Association of Canada, and the Governor-General's Awards Jury for Literature. He is a Fellow of the International Institute of Arts and Letters and a Fellow of the Royal Society of Arts.

Dr. Kreisel has published two novels, *The Rich Man* (1948) and *The Betrayal* (1964), and edited *Aphrodite and Other Poems* by John Heath (1959). His writings also include *He Who Sells His Shadow* (1960), "a fable for radio," and a television adaptation of *The Betrayal* (1965). His short stories, critical reviews, and articles have been published widely in periodicals and anthologies. His short story "The Travelling Nude" was awarded the President's Medal of the University of Western Ontario in 1960 for the best short story published in Canada that year.

This term, having returned from a sabbatical year in Cambridge and London, Dr. Kreisel is teaching two new courses, *Currents of Modern Drama*, in the Department of Drama, and *Major Masterpieces in World Literature*, in Comparative Literature. In the next term he will be teaching a third new Comparative Literature course on the interrelationship of art and literature, particularly in the twentieth century, a course he developed during his sabbatical year. "I made a deliberate choice," he said, "to teach entirely new courses. Old courses are made

of old thinking." In addition to developing three new courses, Dr. Kreisel has returned to his creative writing and is now working on a number of short stories.

GEORGE B. WALKER

George B. Walker was Chairman of the Department of Electrical Engineering from 1964 until 1974. In those years the number of faculty increased in the Department from five to twenty-six, and the number of graduate students rose substantially to ninety. In other words, Professor Walker was responsible for the rapid growth of the Department of Electrical Engineering.

Prior to his appointment to that chair, Professor Walker was a Research Professor at the University of British Columbia from 1959 to 1964, and before that, a Lecturer in Electrical Engineering at Queen Mary College, London, and Sheffield University. He spent three years, from 1947 to 1950, as Turner and Newall Research Fellow at Imperial College, London. He obtained a double honors degree in Mathematics and Natural Philosophy from Glasgow University in 1940 and a PhD from Imperial College in 1950.

Professor Walker is very much involved in consultant work and has held numerous positions as consultant to various industries, Quantatron Incorporated of Los Angeles, Atomic Energy of Canada Limited, and Bechtel Laboratory of Belmont, California, among others.

During a recent sabbatical leave he completed a study for Alberta Advanced Education and Manpower entitled *A Survey of University-Industry Relations in the State of California*. His study has bearing on an informal project that Professor Walker has undertaken with the encouragement of the President of the University. Being a firm believer in the necessity of a close working relationship between industry and centres of learning, Professor Walker is investigating possible liaisons between companies that might locate in an industrial research park in the city and potential researchers at the University, hoping to bring the two groups together for large research projects, possibly in research institutes located in the park itself. To advance this end, he recently prepared a report to the President of the University.

His own research is extensive; he has published more than fifty papers and has three patents. He is conducting a research project now, in fact, on the mechanical forces resulting from electromagnetic fields in material bodies, a subject in which he recently contributed conclusively to a scientific argument that has been carried on for a century.

In his *Survey*, Professor Walker describes

the aim of a research institute such as he would like to see established in Edmonton. "It would primarily be concerned with bringing ideas, concepts or technologies generated in the course of University research to the stage where they can be evaluated from the view point of applicability for industry." That the benefits accruing from an institute would extend to the University as well as to industry is Professor Walker's firm belief.

FENTON V. MacHARDY

In 1975 Fenton MacHardy stepped down from his deanship of the Faculty of Agriculture and Forestry, a position he had held for seven years. Dr. MacHardy obtained his BSc in Agricultural Engineering from the University of Saskatchewan and joined the staff of this University in 1950 as a Sessional Lecturer. During his years as a sessional, Dr. MacHardy also maintained a grain farm, but the pressure of two jobs persuaded him to give up farming, and, in 1958, he completed his master's degree in Mechanical Engineering. Shortly after, he was appointed head of the Department of Agricultural Engineering. Dr. MacHardy received a PhD in Farm Management from the University of Edinburgh, Scotland, in 1965. His years as Dean saw the addition of the Department of Forest Science with the establishment of a BSc program in Forestry, a strengthening of research in the Faculty, and an increase of 50 percent in its enrolment.

Following his retirement from office, Dr. MacHardy took a year's sabbatical to pursue a series of consulting projects for the International Development Research Centre (IDRC), an organization supporting research in aid of Third World nations. One such project in which Dr. MacHardy has been involved together with T.A. Pettersen, Chairman of the Department of Rural Economy, is the development of a pilot flour mill in the Northern Nigerian town of Mdiduguri. The mill is operated by local people for their own use. The Nigerian government now wants to set up a network of similar mills throughout Northern Nigeria, so successful was the first.

Another project engaging Dr. MacHardy is in relation to "post harvest activities" in South East Asia, its object, to reduce food losses between harvest and consumption. The nations of Singapore, Malaysia, Thailand, Indonesia, and the Philippines have agreed to work collectively with a number of donor agencies in an attempt to reduce food grain losses. Dr. MacHardy's participation in the project has been largely as a coordinator, a position he will continue to hold through an arrangement between the IDRC and the University that provides for a limited amount

of University time to be spent on IDRC projects.

Although Dr. MacHardy has studied primarily agricultural engineering and economics, his PhD thesis did take him into the area of animal nutrition, and his deanship gave him a wide-ranging appreciation of the research of other members of his Faculty. With his University Professorship, he has ventured into an interdisciplinary study involving biochemistry and microbiology. An interest of long standing in energy conservation has led him to plan a research project with F.D. Cook of Soil Science and Microbiology concerning biological nitrogen fixation. This is an area of research that is attracting much attention as researchers try to reduce agriculture's dependence on fossil fuels. Dr. MacHardy's experiments for this project will be area-specific, but the conclusions will have a wider application, in harmony with much of his previous work, his interests, and, indeed, the spirit in which he works.

SENATE

The Senate held its second regular meeting on Friday, 26 November. The following items were among the matters considered.

New Executive Officer

Chancellor Ron Dalby announced to Senate the appointment of Rondo Wood as the new Executive Secretary of the Senate. She replaces Neil Henry, who has become the Registrar of Athabasca University. Rondo Wood, formerly Public Affairs Officer with Alberta Culture for the past three and one-half years, where she was responsible for public relations and advertisement for the Historical Resources Division, says that she is "personally committed" to increasing public awareness of the link the Senate provides between the public and the University. Ms. Wood holds a BA in English and an MA in Sociology from this University and has worked as an educational researcher for the Ontario Institute for Studies in Education and as a research officer with the Human Resources Research Council in Calgary.

Post-Doctoral Fellows

In April 1976, the Board of Governors received a number of recommendations from the Senate Committee on Post-Doctoral Fellows. That Senate committee recommended that the Board consider establishing policy to cover the nature and term of appointment for all Post-Doctoral Fellowships to ensure that there is a common interpretation of regulations governing them, to examine the possibility of obtaining Workers' Compensation coverage and Unemployment Insurance and Canada Pension Plan benefits for Canadian and landed immigrant Fellows, to require a common



Rondo Wood

letter of appointment that leaves no room for misinterpretation by the Department of Immigration, and to establish a two-year limit to appointments beyond the PhD. The Committee also recommended that the Board take responsibility to ensure that stipends adequately reflect that cost of living and the high level of training and service that Fellows bring to the University.

H.E. Gunning reported to the Senate that, according to the Unemployment Insurance Commission, amounts paid to Post-Doctoral Fellows are considered neither contributory earnings nor insurable earnings. Fellows are not, he added, considered employees of either the National Research Council, who provides the funds, or of the University, who dispenses the funds. That is the reason the University has not taken steps to gain UIC and CPP benefits for Post-Doctoral Fellows. Senate member Neil Reimer expressed his opinion that if the University were to provide Unemployment Insurance for Fellows, the UIC would probably not challenge the move. Vernon Wishart suggested that the University also consider providing higher stipends to Fellows in order that they receive remuneration that is more in line with cost of living standards and the high level of education and training that Fellows possess.

Library activities

Senate member Ethel Taylor submitted a report on Alberta Public Library Development to Senate for its consideration. The report outlined the "dire situation of libraries in Alberta," reporting that Alberta has "no provincial library board, no provincial librarian, no network, no central services. Twenty-five percent of Albertas have no access to libraries, many libraries are poorly housed, understocked, underfunded, understaffed." Provincial government support has not been adequate.

Mrs. Taylor asked that the Senate seriously consider the situation. Lorna Haddow,

President of the Alberta Library Trustees' Association, maintaining that "it is time Albertans had access to better library services," thanked the Senate for its interest in the problem.

In her report, Ethel Taylor included the following resolution: that Senate go on record deploring the present library service, that it support immediate action toward implementing a province-wide coordinated library system, and that it support immediate provincial funding to enable the public libraries to improve services and to initiate a provincial library system. Mrs. Taylor asked that Senate defer discussion of her report and its resolution until the spring. In the meantime, she asked that Senate members study her report and contact the government individually in support of improved library development.

Foreign student issue

Senate heard eight presentations dealing with the issue of foreign students and the proposed fee increase. The presentations were organized to provide the Senate with information about the issue.

Henry Tsan, a student, spoke first on the foreign student point of view of the contribution of foreign students. He spoke of the importance of the "first-hand information exchange" and the "future contribution of foreign students." He pointed out that many "leaders of foreign countries were once foreign students themselves." Mr. Tsan also spoke of the difficulties that foreign students have in adapting to Canadian culture, the stereotyping they must face, and the pressure they feel to succeed academically. He expressed the opinion that stereotyping will only be overcome by personal contact and that the presence of foreign students on the campus provides an opportunity to develop the "racial respect and cultural tolerance" that is a prerequisite for a "harmonious society." In closing, he said that "reducing the number of foreign students would deprive Canadian students of the opportunity to meet the foreign counterparts with whom they will work in the future."

Speaking next on the Canadian point of view, or at least the Canadian student point of view, David Rand, a Students' Union Council Representative, told Senate that most students he talked to were opposed to the proposed fee increase for foreign students. Many of them, he said, felt that there was no justification for a change in present foreign student policy and that the government had not presented an "established need for change."

Howard Hoggins, Executive Vice-President of the Students' Union, presented a number of popular perceptions of foreign students. As he pointed out, he was not expressing personal opinions but, rather "simply presenting

information" about certain student perceptions of foreign students. He noted that many students felt that there was a large number of foreign students on campus and that there was a particularly large and disproportionate number of students from Hong Kong. He said that many students felt that foreign students actively compete with Canadian students for positions in quota faculties and for jobs after graduation. Many students felt that foreign students, especially the Chinese, are wealthy, clannish, and anti-social, that they disrupt classes because they do not have facility in the language of instruction, and that they can too easily obtain Landed Immigrant Status.

Ruth Groberman, Foreign Student Adviser, spoke next on the statistics on foreign student enrolment here and in the rest of Canada. She criticized the "gross generalizations" that are being made about foreign students. She said that people were reacting to one highly visible group of foreign students and that there was a "tendency to react to visible minorities." She pointed out that only about 5 to 6 percent of the total post-secondary enrolment was made up of foreign students. She also mentioned that less than 10 percent of this group received any kind of federal assistance. Ms. Groberman pointed out that a fee increase would have the most effect on private, non-sponsored students from developing countries. The number of foreign students will not decrease because of a fee increase, she said; the composition of the foreign student group will simply change. Students from rich oil-producing nations and other wealthy countries will be the only ones able to afford schooling here. The help that we can provide to developing nations, in turn, will be severely lessened. Ms. Groberman continued by saying that by raising fees, we will "lose one more opportunity to participate in an international community."

On the academic concerns surrounding the foreign student issue, Kay Stewart of the Department of English read a report prepared by Larry McKill of that Department. Professor McKill's report, which focused on the English language skills of foreign students, pointed out that the inability to write correct idiomatic English was one of the greatest barriers to academic success. The report stated that about 60 percent of the 150 to 175 students enrolled in remedial English classes were foreign students. Professor McKill's report, while touching on related problems such as the possibility of plagiarism among foreign students—which could result from the inability to write well coupled with the severe academic pressure they feel—or the fact that native speakers of English often get higher marks in classes where there is a great number of foreign students—which Professor

McKill thinks may be a statistical problem more than anything—concluded by saying that "we must do more for our foreign students." The report urged that we try to "open up possibilities for cultural exchange" that the presence of foreign students affords.

Doug Burns of the Office of the Registrar spoke on the University and college entrance requirements, quota programs, and differential fee systems. He talked about the problem foreign students will face in meeting higher fees. He told Senate how the United Kingdom has recently decided to abolish its differential fee structure for foreign students, and he spoke of the administrative difficulties encountered in the United States where certain universities charge "out-of-state" fees.

Bill Clarke of the Department of Manpower and Immigration, informed Senate about regulations governing foreign students and the regulations on Student Visas and Landed Immigrant status. Mr. Clarke also spoke briefly of the government policy believing in the contribution that foreign students educated here can make to their home countries and the contribution they make to Canada while they are here.

Henry Kolesar, Deputy Minister of Advanced Education and Manpower, told Senate that he was simply going to provide information and that he was not going to be argumentative. He restated the government proposal to have two fees, one for foreign students and one for Canadians. He said the two-tiered fee structure was "a meaningful difference" but "not excessive." Dr. Kolesar was vigorously questioned by Senate members about the "why" of the government proposal. After many pointed questions, he gave a brief explanation of the government's reasoning. He said that Alberta was a province with a rich and diverse range of opportunities that resulted from the hard work and determination of the first generation of immigrants. The government feels that those people coming to the province now should be expected to pay a little more for these opportunities and that those people who are descendants of the first generation of immigrants can reasonably expect to pay a little less.

After the lunch break, Senate reconvened and continued to discuss the foreign student issue, directing questions at those people who had given presentations and generally discussing the issues. Finally, after a great deal of discussion and the expression of many opinions and views on the foreign student issue, Senate adopted a resolution to be taken to the Board of Governors. The resolution reads: "The Senate is opposed in principle to a two-tiered fee structure but, recognizing that the issue is part of a larger problem involving a number of different questions, recommends that the

government study and deal with the matter of foreign students in depth, considering its provincial and national implications and for this purpose establish a commission or task force, deferring in the meantime any action to implement the proposed differential fee structure."

CANADIAN ORCHESTRAS UNITE

On Thursday, 2 December, Jorgen Holgersen, Chairman of the Association of Canadian Orchestras, will announce the beginning of a "write-in" campaign involving forty-six orchestras, all members of the Association. The purpose of the campaign is: (1) to make the Federal Treasury Board aware that the new financial restraints on the Canada Council will have a catastrophic effect on Canadian orchestras; (2) to request, therefore, that the Board reconsider its proposed grants to the Council; and (3) to ensure that the Federal grants to orchestras be sufficient to meet their minimal operational needs.

The basis of the campaign is 600,000 pre-printed letters to be distributed to orchestra audiences, to the thirty-seven local branches of the American Federation of Musicians, and to other interested parties for signing and return to the Prime Minister, the Secretary of State, and local Members of Parliament. Mr. Holgersen comments: "The seriousness of the ramifications of the proposed restraints by the Canada Council as dictated by the Treasury Board is grave. The future of many . . . orchestras, the musicians, and countless others will be directly affected by the results of this project."

For further information about the "write-in" campaign contact Pat Carter, telephone 423-3348, or Betty Webster, telephone 961-1660.

CHRISTMAS BUREAU

For some years now, needy families in Edmonton have been able to better celebrate Christmas through the help of the Christmas Bureau and those who support it. The Bureau supplies interested individuals or groups with the names and addresses of the families, along with information on the number of children, their ages, and their needs. The name of the family's social worker is also supplied, so those participating can seek further information if they need it. Christmas parcels prepared for the families usually include a food hamper, gifts of clothing and toys, and any other items that might be suggested by the social worker.

For those staff members who would like to prepare a parcel for the same family they had last year, the Christmas Bureau staff will try to oblige.

Groups wishing to participate in the project may contact the Christmas Bureau at 424-0686 or 424-0687.

TELEVISION FEATURE ON JOHN C. CALLAGHAN, MD

One of Canada's medical pioneers, John C. Callaghan, MD, of the University Hospital, will be the topic of ACCESS Alberta's half-hour program *Come Alive*, broadcast 16 December. The film celebrates the twentieth anniversary of Canada's first open-heart surgery and covers twenty years of Dr. Callaghan's medical career as open-heart surgeon. In the film Dr. Callaghan is interviewed and shown at his work.

Dr. Callaghan came to Alberta at the request of Walter MacKenzie, former Dean of Medicine at the University. He has lectured throughout the world on medical topics and has contributed substantially to surgical knowledge.

PEOPLE

- T.C. Byrne, recently retired President of Athabasca University and former Deputy Minister of Education, has been appointed Visiting Professor of Higher Education in the Department of Educational Administration.
- Saleem Qureshi, Professor of Political Science, has been invited to read a paper at the International Congress on Qaid-i-Azam to be held in Islamabad, Pakistan, in December.
- Gloria Strathern, Associate Professor of Library Science, attended the Prairie Archivists Forum on 12 October. Principal speakers were Jeffrey Ede, Keeper of the Public Records of England, and John Imrie, Keeper of the Records of Scotland. Professor Strathern also attended a 27 and 28 October workshop on "Women in Leadership" held in Edmonton.
- John King-Farlow, Professor of Philosophy, spoke recently to the Philosophy Club of the Loyola Campus, Concordia University, Montreal.
- Bernard L. Rochet, Associate Professor of Romance Languages, read a paper entitled "On diachronic phonetic universals" at the annual meeting of the Western Conference on Linguistics held in Vancouver on 15 and 16 October.
- L.C. Green, University Professor in the Department of Political Science, participated in the Vancouver seminar of the Canadian Human Rights Foundation; the seminar was on Alberta's legislation and the universal declaration of human rights.
- André Nitecki, Associate Professor in the Faculty of Library Science, participated in an

international workshop on the Preserved Context Index System (PRECIS) that was held on 15 to 17 October at the University of Maryland in College Park, Maryland.

■ Jim Hackler, Professor of Sociology, was recently elected to the Executive Board of the American Society of Criminology. He is the only Canadian among the thirteen office holders. Executive counselors of the ASC serve for three years.

■ Juliet McMaster, Professor of English, has just returned from a research trip that took her to New York, Princeton, and Yale. At New York University, she gave a graduate seminar on Trollope for Gordon Ray, and at Princeton she delivered a paper on *The Eustace Diamonds*. The research on manuscript material was part of her work toward a book on Trollope's Palliser novels, which she is writing with the help of a Guggenheim Fellowship.

■ John G. Wright, currently on leave from the Faculty of Library Science, supervised a display dealing with media education programs at the University. The display was located at Jasper Place Composite High School, where a workshop took place on 30 October. The workshop featured a talk by Sheila Ego, an authority on Canadian children's literature. The workshop was sponsored by the Greater Edmonton Regional Division of the Alberta Learning Resources Council.

■ Geraldine Farmer, Professor of Secondary Education, attended a joint meeting in Ottawa of the Advisory Board on Adult Occupational Training and the Canada Manpower and Immigration Council. Dr. Farmer is a member of the Advisory Board.

■ L.C. Green, D.J. Carmichael, and F.C. Adams, all of the Department of Political Science, have contributed papers on the Entebbe Raid, ethical issues of terrorism, and terrorist images to the September special terrorism issue of *Chitty's Law Journal*.

■ John W. Chalmers, Associate Professor of Educational Foundations, has had a paper entitled "Federal, provincial, and territorial strategies for Canadian native education 1960 to 1970" published in the August issue of the *Journal of Canadian Studies*.

■ C. Hiruki, Professor of Plant Virology, presented an invited paper entitled "Cell wall alterations in localized plant virus infection" at the International Symposium on Cell Wall Biochemistry held at the University of Tromsø, Norway. The conference was sponsored by the Norwegian Research Council for Science and the Humanities. Dr. Hiruki also visited the Agricultural University, Wageningen, Netherlands, and the Agricultural College of Sweden, Uppsala, where he gave a guest lecture on the ultrastructure of hypersensitive responses of host plants to virus infection.

■ John King-Farlow, Professor of Philosophy, presented a paper on sexual equality to the Faculty of Law at the University of Granada, Spain.

■ Charles C. Anderson, Professor of Educational Psychology, acted as a visiting expert and commentator on a National Film Board presentation dealing with television violence. The presentation was shown on 27 October on a local cable television station.

■ George Fitzsimmons, Assistant Professor, and Bryan Hiebert, Graduate Student, both of the Department of Educational Psychology, recently conducted a two-day workshop for the Biofeedback Association of Alberta. The Biofeedback Training Workshop for Professionals was well attended by physicians, psychologists, and physiotherapists.

■ Kay L. Stewart, Sessional Lecturer in English, presented a paper, co-written by C.J. Bullock, Associate Professor of English, at the annual meeting of the Rocky Mountain Modern Language Association in Santa Fe, New Mexico, from 21 to 23 October. The paper dealt with theories of language in the work of the contemporary English novelist, John Fowles.

■ Rudy Wiebe, Associate Professor of English, delivered the 1976-77 Laurier Lecture at Wilfrid Laurier University in Waterloo. The lecture was entitled "Canada as fiction." Professor Wiebe, whose novel, *The Temptations of Big Bear*, won the 1973 Governor General's Award for Fiction, also read from his new work while at Wilfrid Laurier.

■ Duncan Fishwick, Professor of Classics, has been elected a member of the Senior Common Room, Corpus Christi College, Oxford.

■ Joseph R. Royce, Director of the Centre for Advanced Study in Theoretical Psychology, will present one of forty invited papers at the Fifth International Conference on the Unity of the Sciences. The purpose of the ICUS conferences and publications is to provide a forum for interdisciplinary exchange among scientists and scholars. The conference, which was held in Washington, DC, in late November, was attended by over four hundred delegates from fifty countries.

■ Joseph M. Kirman, Professor of Elementary Education, presented a paper and audio-visual demonstration on "The use of infra-red false color satellite images with elementary school children" to the education officers of the National Aeronautics and Space Administration on 3 November at a special meeting held at the Goddard Space Flight Centre in Maryland. The meeting was called to deal with Dr. Kirman's original research in this field, which was sponsored by the Alberta Advisory Committee for Educational Studies. Replication studies are being planned for New York City's School District 22.



Two toys from the Provincial Museum's exhibition "Small World of Toys," on display until 30 January. The exhibition covers a century, 1850 to 1950, and includes toys from around the world.

■ Bernard L. Rochet, Association Professor of Romance Languages, read a paper entitled "An example of hypercorrection by the middle-class" at the annual meeting of the Rocky Mountain Linguistics Association, held in Banff on 12 November.

■ George Molnar, Professor and Chairman of the Department of Medicine, attended the Ninth International Diabetes Federation Congress in New Delhi, India, from 31 October to 5 November. He lectured on "Metabolic abnormalities of diabetes—the challenge of normalization." Dr. Molnar also participated in the Panel on the Artificial Pancreas.

VISITORS

■ Raimo Tuomela, Professor of Philosophy, Helsinki University, gave a series of seminars on the topic of "Cognitive states and processes"

on 1 to 5 November for the Centre for Advanced Study in Theoretical Psychology.

BOOKS

■ *The Formation and Evolution of the French Nasal Vowels* (Beihefte zur Zeitschrift für romanische Philologie, 153), by Bernard Rochet, Association Professor of Romance Languages, has been published by Niemeyer (Tübingen).

■ *Values and the Quality of Life*, edited by John King-Farlow, Professor of Philosophy, and W.R. Shea of McGill University, has been published by Science History Publications of New York as part of the Canadian Contemporary Philosophy Series. Edmonton contributors include L.C. Green, Political Science, Sylvia King-Farlow, Nursing, and John King-Farlow, Philosophy.

NOTICES

STUDENTS' UNION ARTS AND CRAFTS CENTRE

Registrations may now be made for the Winter Session craft classes sponsored by the Students' Union. Ten-week series of classes in pottery, macramé, weaving, spinning and natural dyeing, as well as noon-hour classes in knitting, crochet, macramé, and quilting are offered. For brochures and information telephone 432-4547.

COMMITTEE VACANCIES

The General Faculties Council Nominating Committee is seeking nominations for the following committees.

1. Selection Committee for the Chairman of the Department of History.

Regulations governing the composition of Selection Committees for department chairmen require that one member, not a member of the Department concerned, be elected by General Faculties Council.

2. Campus Development Committee.

One member of the academic staff.

Persons who have suggestions for nominations or who are interested in serving on these committees are requested to contact the Secretary of the Nominating Committee, 1-15 University Hall, telephone 432-4715.

SPEAKERS' BUREAU

The Speakers' Bureau helps organizations to engage speakers for their meetings. For more detailed information or brochures, contact the Public Relations Office, 855 General Services Building, telephone 432-4201.

RECEPTION FOR M.S. COOKE

Murray Cooke, Director of Personnel Services and Staff Relations, will retire at the end of December, following nineteen years of service to the University. A reception will be held in his honor at "The Ship" in Lister Hall on Friday, 10 December, from 4:30 p.m. to 7 p.m. Mr. Cooke's many friends and acquaintances are invited to attend the reception to extend their wishes to Mr. Cooke on his retirement.

STEWART UDALL VIDEOTAPE

The Department of Radio and Television has made a videotape of Stewart Udall's address "The energy crisis: how we got into it—how we get out of it." Copies of the tape are available in both the Humanities Audio-visual Centre and in the Reserve Reading Room of Cameron Library.

ACADEMIC WOMEN'S ASSOCIATION

The Academic Women's Association will meet in the Faculty Club 14 December at 5:30 p.m. for a supper from the buffet. The program to follow at 7 p.m. will include a brief report from Nim Mehra and Lillian McPherson on

the Western CAUT Status of Women meeting, Dorothy Richardson describing the new Canadian Research Institute for the Advancement of Women, and a showing of *Come Alive*, a film that includes some members of the AWA. Those wishing to attend should contact Sheila Bertram, Faculty of Library Science, 3-11 Rutherford South, telephone 432-5315, before 10 December.

DA CAMERA SINGERS CONCERT

The Da Camera Singers will present its annual Christmas Concert on Friday, 10 December, at All Saints' Cathedral. The concert will begin at 8 p.m. The Singers will be conducted by Karen Radcliffe. Tickets are \$3.50 regular and \$2 for students and senior citizens; they are available from members of the Singers, at the Bay Box Office, and at the door.

CITADEL THEATRE DISCUSSIONS

The Houselighters of the Citadel Theatre will sponsor the third in the "Theatre and You" noon-hour discussion series at noon on Thursday, 2 December in the Citadel complex. Upcoming plays *Equus* and *The Master Builder* will be discussed. Admission is \$1, and sandwiches and coffee will be served.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred.

2 DECEMBER, THURSDAY

Sociology Seminar

3:30 p.m. "French Canadian sociologists as an ideological elite," with speaker Ruth Pitts, Collège Universitaire Saint-Jean. 5-15 Tory Building.

Geophysics Seminar

3:30 p.m. "Plate tectonics in the geologic past (0-600 my)," with speakers E.R. Kanasewich, M.E. Evans, and J. Havskov. P-636 Physics Building.

Mathematics Colloquium

4 p.m. "Geometric structure of space-time and dynamics," with speaker H.P. Kunzle, Department of Mathematics. 657 Central Academic Building.

Classics Seminar

4 p.m. "Introduction to the *Prosimetrum* as a literary genre," with speaker E.L. Wimet. 1-8 Humanities Centre.

Humanities Film Society

7 p.m. *King Lear* directed by Peter Brook and starring Paul Scofield and Irene Worth. TL-11 Tory Building.

German Film

7:30 p.m. *Lerchenpark: Ordnung muss sein* and

Lerchenpark: Die andere Frau. TLB-2 Tory Building. Admission is free.

Cinematheque 16

7:30 p.m. *Klute* (United States, 1971). Directed by Alan Pakula and starring Jane Fonda and Donald Sutherland. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members.

Edmonton Art Gallery Concert

8 p.m. The Edmonton Saxophone Quartet. Downstairs, Edmonton Art Gallery. Admission is free.

Harakati Forum

8 p.m. "Education for self-reliance," sponsored by the African Association of Alberta. 104 Students' Union Building.

Edmonton Opera Association

8 p.m. *Madama Butterfly* (in Italian) by Puccini. With Maria Pellegrini, John Sandor, and Cornelis Ophhof. Tickets available from the Association, telephone 424-5797, and from Woodward's.

3 DECEMBER, FRIDAY

Faculty Club

Downstairs. From the grill: steak sandwiches, hamburgers, french fries, hot beef dips, tossed salad.

Upstairs. French special: chicken breasts Veronique, rice pilaf with peas and mushrooms, spinach salad, plum pie Chantilly. \$5.50. Also lobster, \$12.50, and regular dinner menu. Reservations required. Entertainment: Fatback Band.

Student Cinema

7 p.m. and 9:30 p.m. *Love of Life* (United States, 1976). Biography and music of Arthur Rubenstein. Students' Union Theatre. Admission is \$1.50 advance for students and \$2 at the door. Tickets available at the HUB Box Office.

Cinematheque 16

7:30 p.m. *Marat-Sade* (Great Britain, 1966). Directed by Peter Brook and starring Glenda Jackson and Patrick McGee. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members.

Edmonton Recorder Society

8 p.m. A performance evening. South West Cultural Centre, 11105 74 Avenue. Admission is free.

National Film Theatre

8 p.m. *A Married Couple* (Canada, 1969). Directed by Allan King. Centennial Library Theatre. Series tickets and single admissions available at the door.

Tournesol Dance Company

8:30 p.m. Tournesol Dance Company performs

Ricochet, an hour-long work based on the gradual build-up of energy. Tournesol Dance Workshop, 11845 77 Street, behind the Coliseum. Admission is \$2.50. For reservations telephone 474-7169.

4 DECEMBER, SATURDAY

Christmas Crafts Shopping Fair

12 noon to 10 p.m. Eighty booths of handicrafts, including pottery, weaving, macramé, among others. Also a coffee house catered by the Hot Box, continuous live entertainment, free parking, and free day care centre. The Golden Garter on the Exhibition Grounds. Admission is \$1 for adults, children under twelve admitted free.

Edmonton Art Gallery Concert

2:30 p.m. John Gray Trio. Downstairs, Edmonton Art Gallery. Admission is free.

Faculty Club

Downstairs. Crêpe night, \$5.50.
Upstairs. Lobster, \$12.50; also regular dinner menu. Reservations required.

Edmonton Opera Association

8 p.m. *Madama Butterfly* (in Italian) by Puccini. With Maria Pellegrini, John Sandor, and Cornelis Ophhof. Tickets available from the Association, telephone 424-5797, and from Woodward's.

Concert

8:30 p.m. Leon Redbone performs. Students' Union Theatre. Admission is \$5. Tickets available at the HUB Box Office.

Tournesol Dance Company

8:30 p.m. Tournesol Dance Company performs *Ricochet*. Tournesol Dance Workshop, 11845 77 Street, behind the Coliseum. Admission is \$2.50. For reservations telephone 474-7169.

5 DECEMBER, SUNDAY

Christmas Crafts Shopping Fair

12 noon to 8 p.m. Eighty booths of handicrafts. Also a coffee house, free parking, free day care centre. The Golden Garter, Exhibition Grounds. Admission is \$1 for adults, children under twelve admitted free.

Cinematheque 16

2 p.m. *Chile: The Promised Land* (Chile, 1973). Directed by Miguel Littin. English subtitles. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members.

University Concert Band

3 p.m. Trumpet soloist Neil Corlett, soprano Jennifer Scragg, and a rock ensemble. Students' Union Theatre. Admission is free.

Advent Procession

4:30 p.m. Advent Procession with carols,

following the form used by King's College, Cambridge; featuring carols by Palestrina, Boris Ord, Alwyn Surplice, and others. All Saints' Cathedral, 10035 103 Street.

Student Cinema

7 p.m. and 9:30 p.m. *The Magic Flute* (Sweden, 1974). Directed by Ingmar Bergman. Students' Union Theatre. Admission is \$1.50 advance for students and \$2 at the door. Tickets available at the HUB Box Office.

Tournesol Dance Company

8:30 p.m. The Tournesol Dance Company performs *Ricochet*, an hour-long work based on the gradual build-up of energy. Tournesol Dance Workshop, 11845 77 Street, behind the Coliseum. For reservations telephone 474-7169.

6 DECEMBER, MONDAY

Seminar-in-the-round

2 p.m. "Autonomous linguistics versus linguistic psychology," with speaker B. Derwing, Department of Linguistics. Sponsored by the Center for Advanced Study in Theoretical Psychology, 14-6 Tory Building.

Edmonton Opera Association

8 p.m. *Madama Butterfly* (in Italian) by Puccini. Featuring Maria Pellegrini, John Sandor, and Cornelis Ophhof. Jubilee Auditorium. For ticket information telephone 424-5797.

Edmonton Film Society

8 p.m. *The Invitation* (Switzerland, 1973). Directed by Claude Goretta. International Series. Students' Union Theatre. Series tickets available at the door.

7 DECEMBER, TUESDAY

Scandinavian Films

7:30 p.m. *Valley* (1966), *Bergen International Festival* (1971), *The Magic Fiddle*. English dubbed. Admission is free. 17 Arts Building.

National Film Theatre

8 p.m. *Daisies* (Czechoslovakia, 1967). Directed by Vera Chytilova. Centennial Library Theatre. Series tickets and single admissions available at the door.

8 DECEMBER, WEDNESDAY

Economics Seminar

3 p.m. "A comparison of tests of significance for correlations between autocorrelated time-series," with speaker A. Nakamura, Business Administration and Commerce. 8-22 Tory Building.

Biochemistry Seminar

4 p.m. "Oligodeoxy nucleotides of defined sequence," with speaker Mike Smith, UBC. 4-70 Medical Sciences Building.

Faculty Club

Upstairs. Petit gourmet: pâté maison, mulligatawny soup, salade mercedes, veal cordon rouge, pommes boulangère, épinards à la crème, gâteau Bavarois. With apéritif and wines, \$12.50. Reservations required.

Edmonton Film Society

8 p.m. *Woman in the Dunes* (Japan, 1964). Directed by H. Teshigahara. Japan series. TL-11 Tory Building. Series tickets available at the door.

9 DECEMBER, THURSDAY

Biochemistry Seminar

12:30 p.m. "The sequence of ϕ x 174 DNA: the discovery of overlapping genes," with speaker Mike Smith, UBC. 227 Medical Sciences Building.

German Film

7:30 p.m. *Die Konferenz der Tiere*. TLB-2 Tory Building. Admission is free.

Cinematheque 16

7:30 p.m. *McCabe and Mrs. Miller* (United States, 1971). Directed by Robert Altman and starring Warren Beatty and Julie Christie. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members.

Edmonton Art Gallery Concert

8 p.m. Trio for flute, guitar, and viola. Downstairs, Edmonton Art Gallery. Admission is free.

10 DECEMBER, FRIDAY

Faculty Club

Downstairs. Beef Stroganoff, rice, baby carrots, black forest cake. \$4.95.

Cinematheque 16

7:30 p.m. *Bananas* (United States, 1971). Directed by and starring Woody Allen. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members.

Concert

8 p.m. Bim, Canadian folk singer. Students' Union Theatre. Admission is \$3 advance and \$4 at the door. Tickets available at the HUB Box Office.

National Film Theatre

8 p.m. *The Wolfpen Principle* (Canada, 1973). Directed by Jack Darcus. Centennial Library Theatre. Series tickets and single admissions available at the door.

Edmonton Symphony Orchestra

8:30 p.m. Pierre Hétu conducting; featuring Stefan Stalanowski, violinist. Tickets available from the Symphony Office, 11712 87 Avenue.

11 DECEMBER, SATURDAY

Edmonton Art Gallery Concert

2:30 p.m. Bill Emes Quartet. Downstairs,

Edmonton Art Gallery. Admission is free.

Faculty Club

Downstairs. Fondue night: cheese fondue, salad, dessert. \$5.50.

Upstairs. Regular dinner menu; reservations required. Entertainment: Charlie Austin Trio.

Student Cinema

7 p.m. and 9:30 p.m. *Alice Doesn't Live Here Anymore* (United States, 1974). Directed by Martin Scorsese and starring Ellen Burstyn and Kris Kristofferson. Students' Union Theatre. Admission is \$1.50 advance for students and \$2 at the door. Tickets available at the HUB Box Office.

Edmonton Symphony Orchestra

8:30 p.m. Pierre Hétu conducting; featuring Stefan Stalanowski, violinist. Tickets available from the Symphony Office, 11712 87 Avenue.

EXHIBITIONS AND PLAYS

University Art Gallery

To 12 December. "Classical Narratives in Master Drawings," an exhibition of forty original drawings representing works from the sixteenth to nineteenth centuries. Artists from Italian, French, Dutch, Flemish, German, and Danish schools are shown. The exhibition was selected from the collection of the E.B. Crocker Art Gallery in Sacramento, California.

To 12 December. "Honoré Daumier: Lithographs." Twenty-seven lithographs made available for showing by the Extension Service of the Winnipeg Art Gallery.

The University Art Gallery and Museum is located at Ring House One, directly behind the Faculty Club near Saskatchewan Drive. Gallery hours are 11 a.m. to 4 p.m. Tuesday and Wednesday; 11 a.m. to 9 p.m. Thursday; 2 p.m. to 5 p.m. Sunday.

Students' Union Gallery

To 11 December. Christmas sale and exhibition of crafts, including pottery, woven hangings, pillows, macramé, dolls, batiks, paintings, and others. Gallery hours: 12 noon to 6 p.m.

Provincial Museum

Continuing. "Documentary Heritage," a long-term exhibition displaying valuable manuscripts and documents in the Provincial Archives of Alberta, Archives Gallery.

To 17 December. "Harry Bamber—Pioneer Leduc Photographer," an exhibition of photographs from the first two decades of the century. Archives Lobby.

To 16 January. "Play's the Thing," an exhibition of home-made toys created from everyday materials. From the National Museum of Man. Feature Gallery 3.

To 23 January. "Small World of Toys," a nostalgic exhibition featuring a century of toys of all types. Feature Gallery 1.

Rutherford House

Continuing. The House, 11153 Saskatchewan Drive, is furnished in its original manner. Admission is free. Saturday and Sunday, 12 noon to 6 p.m. Tours by appointment, telephone 427-3995 weekends, 427-5708 weekdays.

Latitude 53 Gallery

To 1 December. Watercolors by Faculty of Extension instructor Alfred Schmidt. 10048 101A Avenue.

Edmonton Art Gallery

To 15 December. "Norman Yates." Twelve works, including eight large representational drawings and two large multiple drawings by the University instructor and well-known local artist.

To 31 December. "Alexis Gritchenko." Drawings, watercolors, oils, and gouaches by the Ukrainian artists.

Jubilee Auditorium

To 10 December. "Alberta Art Foundation Exhibition." This is the exhibition of Alberta art that toured Europe over the past year. Works include ceramics, sculpture, woven hangings, woodcut prints, oils, acrylics, and watercolors. Hours of the Auditorium Foyer: 9 a.m. to 9 p.m. weekdays; 12 noon to 5 p.m. weekends.

Handworks Gallery

From 2 December. "Fireworks," Raku pottery by Elke Blodgett, stoneware by Jno Letts and Ron Douglas. 10802 124 Street.

Northern Light Theatre

To 1 January. An adaptation by James DeFelicé and Lawrence Reese of A.A. Milne's *Winnie-the-Pooh*. A Christmas show for children. Performances are at 12:10 p.m. Tuesday through Friday with extra performances Thursday and Friday at 1:10 p.m. Saturday performances at 7:30 p.m. and 9 p.m. Admission is \$2 for weekday performances, \$1 for senior citizens, and \$2.50 for Saturday performances. For reservations or information telephone the Theatre Office, 429-3110.

Theatre Francais d'Edmonton

3, 4, 5, 10, and 11 December. *Les Dactylos* and *Les Chinois*, two plays by Murray Schisgal. Collège Universitaire Auditorium, 8406 91 Street. All performances in French; performance begins at 8 p.m. Admission is \$3.50 for adults, \$2.50 for students, and \$1.50 for children. Tickets available from the HUB Box Office, Le Carrefour, 11217 Jasper Avenue, and at the door.

Citadel Theatre

To 4 December. Shakespeare's *Romeo and Juliet*. Directed by John Neville and starring Brent Carver and Nicky Guadagni. The Shochor Theatre of the new Citadel complex.

Tickets and information available from the Theatre Box Office, telephone 424-2828.

Studio Theatre

From 9 December. A.R. Gurney, Junior's *Scenes from American Life*, a controversial, cutting play. For ticket information contact the Theatre Office, 3-146 Fine Arts Centre, telephone 432-2495.

SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

Bell Canada Fellowships

Donor: Bell Canada. *Where tenable:* Any Canadian university or college that is a member or is affiliated with a member of The Association of Universities and Colleges of Canada. *Level of study:* Graduate. *Field of study:* There is no restriction on the type of studies that a Fellow may pursue. *Value:* \$5,000 for a twelve-month period. *Number:* Eight. *Duration:* A twelve-month period beginning in the academic year in which the awards are made with the possibility of renewal for another year. *Conditions:* Candidates must be pursuing a master's degree and be graduates of a university or college whose standards are accepted by the AUCC. Candidates must also be Canadian citizens or landed immigrants. *Closing date:* 1 March 1977. *Further information and application forms should be requested from:* The Awards Office, National Programs Division, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1.

Thesis Research Awards—

PhD Degree for Students from Developing Countries

Donor: International Development Research Centre. *Where tenable:* Normally in the student's own country or other developing country. *Level of study:* Graduate. *Field of study:* Any area of research dealing with development, such as agriculture, food and nutrition sciences, population and health sciences, information sciences, social sciences, education, engineering, etc. *Value:* A variable stipend, calculated according to the cost of living in country of tenure. Also return travel plus two field trip costs, research costs, and cost of thesis supervisor. Award may be renewed for an additional two years. *Number:* Five. *Conditions:* Applicants must have completed requirements for the PhD degree, except for the thesis. All applicants must be students from developing countries in Canadian universities on a student visa. It is expected that the successful applicants will return to their own countries and continue in a career in development after the award period. Award must be taken before January 1978. *Closing date:* 31 January 1977. Announcement of the award winners will be made 1 April 1977. *Further information and application forms should be requested from:* Student Awards Office, 219 Central Academic Building, telephone 432-3495. *Applications should be submitted to:* Thesis Research Awards—PhD Degree, Social Sciences and Human Resources Centre, International Development Research Centre, P.O. Box 8500, Ottawa K1G 3H9.

Thesis Research Awards—

PhD Degree for Canadian Students

Donor: International Development Research Centre. *Where tenable:* Normally in a developing country. *Level of study:* Graduate. *Field of study:* Any area of research dealing with international development such as agriculture, food and nutrition sciences, health sciences, social sciences, engineering, etc. *Value:* Single

award holders receive \$6,000, those with dependents \$7,500. Also return travel plus field trip costs and research costs. Award may be renewed for an additional two years. *Number:* Five. *Conditions:* Applicants must have completed requirements for the PhD degree, except for the thesis. All applicants must be Canadian citizens. Award must be taken before January 1978. *Closing date:* 31 January 1977. *Further information and application forms should be requested from:* Student Awards Office, 219 Central Academic Building, telephone 432-3495. *Applications should be submitted to:* Thesis Research Award—PhD Degree, International Development Research Centre, P.O. Box 8500, Ottawa K1G 3H9.

RESEARCH GRANTS

Granting Agencies: Application Deadlines

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes, Centres, and Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-5360. Note: Although the Calendar is updated on a continuous basis, the following information could be subject to change without notice. If staff members have advanced information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised. *Code:* (R) Research funds; (E) Exchange programs; (T) Travel grants

| <i>Calendar source number</i> | <i>Code</i> | <i>Granting agency</i> | <i>Deadline date</i> |
|-------------------------------|-------------|---------------------------------------|--------------------------------|
| (20) | R | American Council of Learned Societies | 17 Jan. 30 Sept. |
| (55) | R | Canada Council | 15 Jan. 15 July 15 Oct. |
| (155) | R | Health and Welfare Canada | 31 Jan. 31 July |
| (210) | R | Imperial Oil Limited | 15 Jan. |
| (320) | R | North Atlantic Treaty Organization | 15 Jan. 30 Apr. 15 Sept. |

POSITIONS VACANT

NON-ACADEMIC POSITIONS

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as at 26 November 1976.

Clerk Typist II (\$578-\$700)—Mathematics; Plant Science; Computing Services

Clerk Steno II (\$600-\$726)—Elementary Education; Faculty of Extension
Clerk Typist III (\$325-\$393, half-time)—Educational Research Services
Senior Clerk (\$649-\$786)—Parking Services
Clerk Steno III (\$672-\$817)—Obstetrics and Gynaecology; Faculty of Extension; Chemistry; Immunology
Secretary (\$756-\$926)—Faculty of Business Administration and Commerce; Educational Psychology
Accounts Clerk II (\$725-\$887)—Office of the Comptroller
Assistant Control Clerk (\$600-\$726)—Computing Services
Laboratory Assistant II (\$624-\$756)—Pharmacology
Audio Visual Assistant (\$649-\$786, term)—Health Sciences Audio-visual Education
Pool Operations Attendant (\$786-\$964)—Physical Education
Audio Visual Technician I (\$786-\$964, term)—Romance Languages
Technician/Technologist I (\$786-\$1,093, term, trust)—Botany
Biochemical Technician I (\$786-\$964, trust)—Faculty of Dentistry
Technician I (\$786-\$964)—Immunology
Biology Technician II (\$887-\$1,093)—Zoology
Technologist II (\$1,055-\$1,244)—Surgery
Machinist Technician III (\$1,048-\$1,298)—Technical Services
Electronics Technician III (\$1,048-\$1,298)—Chemistry

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board postings in the Library Personnel Office, 516 Cameron Library, should be consulted for further availability.

Library Clerk II (\$600-\$726)—Acquisitions
Library Clerk III (\$640-\$786)—Cataloguing
Library Assistant I (\$700-\$852)—Cataloguing; Educational Library

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodation Available

For sale—Rosslyn, three-bedroom bungalow; completed basement. Double garage. 475-4768.

Practice Medicine from your home. Six-year-old two-storey four-bedroom home in West Edmonton. Doctor's offices with separate entrance. Double front garage. A.E. LePage Melton Real Estate, Arnold Bercovich, 436-4662 or 489-2551.

Fifteen minutes to campus, Sherwood Park. Take over \$60,600 mortgage with no qualifications on this eight-room home, owned and built by contractor. Large lot near natural lake, woods, and school. Approximately 1,800 square feet; four bedrooms, two baths, large family room; custom mahogany cabinet work and upgraded carpet throughout. Large double heated garage with automatic doors. \$78,500. Telephone 464-0576 for appointment.

Dublin, Ireland. For rent: comfortable semi-detached house, fully furnished; quiet crescent, two miles city centre. Spring to fall 1977. 459-7842.

For sale—1,296 square foot, three-bedroom bungalow; professionally landscaped, fenced crescent lot, north Mill Woods; 1½ baths, fireplace. Better than

average construction and interior finish. Heated garage. \$30,000 first mortgage at 10%. No agents. 462-1971.

For sale—two-bedroom house near University. Very good condition. Offers. 439-5248, 434-2779.

Family with nice bungalow in Windsor Park is interested in trading for large home in the same area, or will purchase older-style home in Garneau or Groat Estate area. Dorothy Hamilton, 439-7371; 436-8509, Kellough Realty.

House for rent. Bonnie Doon area. Telephone Francis Sam, evenings, early morning, 469-6183; days, 432-6191.

Aspen Gardens—large two-storey family home on pie-shaped lot. Extra bedrooms in basement, plus cozy family room. Immaculate condition. \$88,900.

Mrs. Anderson, Royal Trust, 434-4460; 435-4869.

Southgate area—Immediate possession. Large bi-level home; completed lower area, plus all kitchen appliances. Double garage. Vendor wants offers. \$79,900. Superior family home. Mrs. Anderson, Royal Trust, 434-4460; 435-4869.

Professional consultants for relocation of University personnel (member of "Relocan," a national real estate service). Complete residential and investment analysis available on request. Inquiries held in strictest confidence. For further details, telephone Jeanne Eid, BSc, Distacom 426-5880, page 837, or Barbara Allen, BA, residence 434-0729; business, 436-5250. Spencer Real Estate Ltd., 7002 109 Street. Split-level, custom-built, 1,400 square feet; three bedrooms; many extras. Large 68 by 120 foot lot, fenced, mature trees, shrubs. Patio doors, raised deck. Custom-built cupboards, countertop range, wall oven; two full bathrooms, separate front entryway, large family room. Near all schools, recreation, and shopping centres. Principals only. Low seventies. 469-7003.

For sale by owner—beautiful Spanish-style half duplex bungalow; eight months old, 1,272 square feet, three bedrooms, 1½ baths, fireplace, appliances, full dry-walled basement, fenced lot, 42 x 115. Near all schools and bus. Large mortgage, no qualifications. 432-3064; 433-8924.

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For sale by owner—eighteen-month-old Perry-built, 1,482 square-foot bungalow. Three bedrooms, two bathrooms, family room with brick fireplace. Patio; large dream kitchen, many built-in appliances; formal dining room, large living room, bay window. Double garage; fenced, landscaped. 10¾ percent mortgage. In quiet keyhole crescent, half block to golf club and buses; convenient to schools, Southgate, campus. \$95,000. 435-5603.

Family with executive bungalow in River Valley Country Estates, on ravine lot overlooking the river valley, and only a five-minute drive from the city, wants to trade for a smaller bungalow in the University area. Telephone Pat Howe at 436-4240 or 464-550, page number 1535.

Attention all University staff! We have several distinctive listings in excellent southwest locations. **Hearthstone:** luxury three-bedroom townhouse, available immediately; easy access to University and all amenities, asking \$72,500. **Sussex House:** newer two-bedroom apartment-type condominium; large entertainment areas; listed at \$52,900. Executive four-bedroom Colonial with attractive log-burning fireplace in main floor family room. New listing on Marlboro Road, Westbrook Estates features magnificent 20 x 40 year-round swimming pool. Telephone Jeanne Eid, BSc: residence, 434-5780 Distacom 426-5880 number 837, or Pat von Borstel: residence, 434-4939. Spencer Real Estate Ltd. Business, 436-5250.

Accommodation Wanted

Suite or house for couple—by 1 December or 1 January. Reasonable rent. 439-2509.

Two- or three-bedroom furnished house or suite from mid-April to mid-October for Japanese professor and family. Telephone D.D. Betts, 432-3465.

Wanted by professor: bedroom close to campus. 432-3839; after 6 p.m., 967-5481.

Automobiles and Accessories

1969 Volkswagen 411 tan station wagon, radio, fuel injection, manual shift. Good condition. \$900. Telephone 439-5097 evenings.

1974 Dodge Monaco Brougham, beautiful condition,

every conceivable factory option. 424-8338.

1972 Dodge Challenger, metallic brown paint; runs very well, immaculate body; includes steel radials, snow tires and rims, Q1 headlights, 318 engine, tape deck. 477-7322.

Hardly used, fully self-contained eighteen-foot trailer; sleeps four adults and four children. Will store for winter. \$4,500. 435-5603.

1970 Mercury Marquis. Fully winterized, six tires, 427 cubic inch motor. Fully equipped for trailer towing. Air conditioned. \$2,000. 435-5603.

1973 Plymouth Cricket station wagon. Manual shift, good condition, 40,000 miles. Owner moving to United Kingdom in December. Telephone 432-3294, 433-4739.

Goods and Services

Plumbing—for estimates on basement bathrooms, repairs, gasfitting, etc., call 465-7079.

For sale—Limited companies, \$250. Bizecon International Ltd. 5821 118 Avenue. 474-0782.

Widely experienced PhD in English available as expert tutor for high school or University level English composition and/or literature. 488-6669.

Why not look really elegant? In a gown by Bruchal. Original design or pattern sewing. Telephone 469-5372.

Antiques from England for sale. Tables, chairs, buffets, bookcases, stools, dolls, clocks, porcelain, art-glass, commemoratives, Oriental porcelain, pictures, gifts, collectables. Mary Goulden Antiques, corner of 109A Avenue and 135 Street, Thursdays, Fridays, Saturdays, 10 to 5. 452-0397.

Handyman carpentry service. Telephone John, 434-9709 evenings.

Experienced typist for term papers, theses, etc. 464-1929.

Nutri Metic Cosmetics representative. Telephone Irene, 432-5684; evenings, 439-2406.

Fifteen-foot sloop rig sailboat on trailer. Offers. 988-5127.

Girl's red winter coat, 12-14; 9 x 12 Wilton rug. 433-7261.

Babysitter wanted, Monday, Wednesday, Friday mornings; old Glenora. 454-1364.

Shanghai House Mandarin Restaurant. Peking, Shanghai food—200 dishes. Peking duck—order in advance. Fire pot. Delicious, inexpensive. Monday through Friday, 4 p.m. to 10 p.m. Saturday and Sunday, 11 a.m. to 11 p.m. 6525 111 Street. 435-7622.

Ee Religion: "All human beings are of the same creation; all religious faiths of the same ideal." All welcome for further understanding. Telephone Dr. Ong, 476-9937.

Graphs, tables, histograms, etc. prepared by professional draftsman for theses and publications. Reasonable rates. 466-2628 Tuesday and Thursday after 7.

Fischer skis (195), Marker bindings, \$65; Spaulding skis (195) Tyrol bindings, \$85; San Marcos Super-Pro boots. Men's 9½, \$140. All equipment excellent condition. 439-0209.

Selling Asahi Pentax Spotmatic, with 1.4 lens, close-up and teleconverter lens, skylight filter, case. Excellent condition. Asking \$160. or best offer. Telephone weekdays after 5 p.m. and weekends anytime. 436-2514.

Large Coldspot fridge, separate freezer compartment. \$25. 434-6188 evenings.

Selling: black, blue-eyed kittens by indiscreet Siamese. \$2 each. 434-6188 evenings.

Birch firewood. \$85 per cord, delivered. 465-7773.

Living room and bedroom furniture, black and white portable TV, stereo console. 436-8462 evenings.

For sale—full length russet suede coat, size 11, quilt lined, fox fur collar (removable); \$300 or best offer. 469-0827 after six.

White furniture: dresser-mirror; head-board-bed frame. 435-8093 evenings.

Experienced secretary will do typing. Charge: \$.75 a page. Telephone Linda, 467-0657.

Handicapped gentleman with two-bedroom apartment requires live-in attendant. Duties: assistance for half hour, mornings and evenings, and light housework. Telephone Marg, 474-8391, 475-0475, Allan, 455-1050.

Need someone to clear away snow? Telephone 439-3531.



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